



# AMINO PEPTIDES

## PRODUCT SPECIFICATION SHEET

Note: This document details the theoretical chemical properties and target specifications of this research compound. For batch-specific, independent laboratory test results, please refer to the independent Certificate of Analysis (C.O.A.) provided on our product page.

### 1. Product Identification

**Product Name:** PT-141 (Bremelanotide)

**Synonyms:** Bremelanotide, Vyleesi, PT141

**CAS Number:** 189691-06-3 **PubChem CID:** 9941379

### 2. Chemical Properties

**Amino Acid Sequence:** Ac-Nle-cyclo[Asp-His-D-Phe-Arg-Trp-Lys]-OH

**Molecular Formula:** C<sub>50</sub>H<sub>68</sub>N<sub>14</sub>O<sub>10</sub>

**Theoretical Molecular Weight:** 1025.18 Da

**Form:** Lyophilised powder **Appearance:** Solid, White

### 3. Target Specifications

**Target Purity (HPLC):**  $\geq 98.0\%$

**Target Identity (MS):** Expected MW 1025.18 Da ( $\pm$  standard analytical tolerance)

**Expected Peptide Content:**  $\geq 80.0\%$

### 4. Storage and Handling Guidelines

**Storage (Lyophilised):** Store at  $-20^{\circ}\text{C}$  or below. Protected from light and moisture.

**Storage (Reconstituted):** Store at  $2^{\circ}\text{C}$  to  $8^{\circ}\text{C}$  for up to 20 days. Do not freeze once reconstituted.

**Usage:** For laboratory research and in-vitro use only. Not for human or veterinary use.